

## ABSTRACT OF THE DISCLOSURE

A first optical fiber, a second optical fiber, and a prism are used to turn light through 180° in a small space. The prism can be a discrete microprism or a custom prism specially made using precision molding techniques or by specially machining a section of coreless optical fiber using precision machining techniques. A precision holder or substrate can be used to facilitate molding of a prism and/or assembly of the overall apparatus.

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